



Fort Detrick and National Interagency Confederation for Biological Research (NICBR)

NCI Elementary Outreach & Werner H. Kristen Student Internship Programs

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Werner H. Kirsten Student
Intern Program (SIP)
and

NCI-Frederick Elementary
Outreach Program (EOP)

National Cancer Institute - Frederick

SIP Information

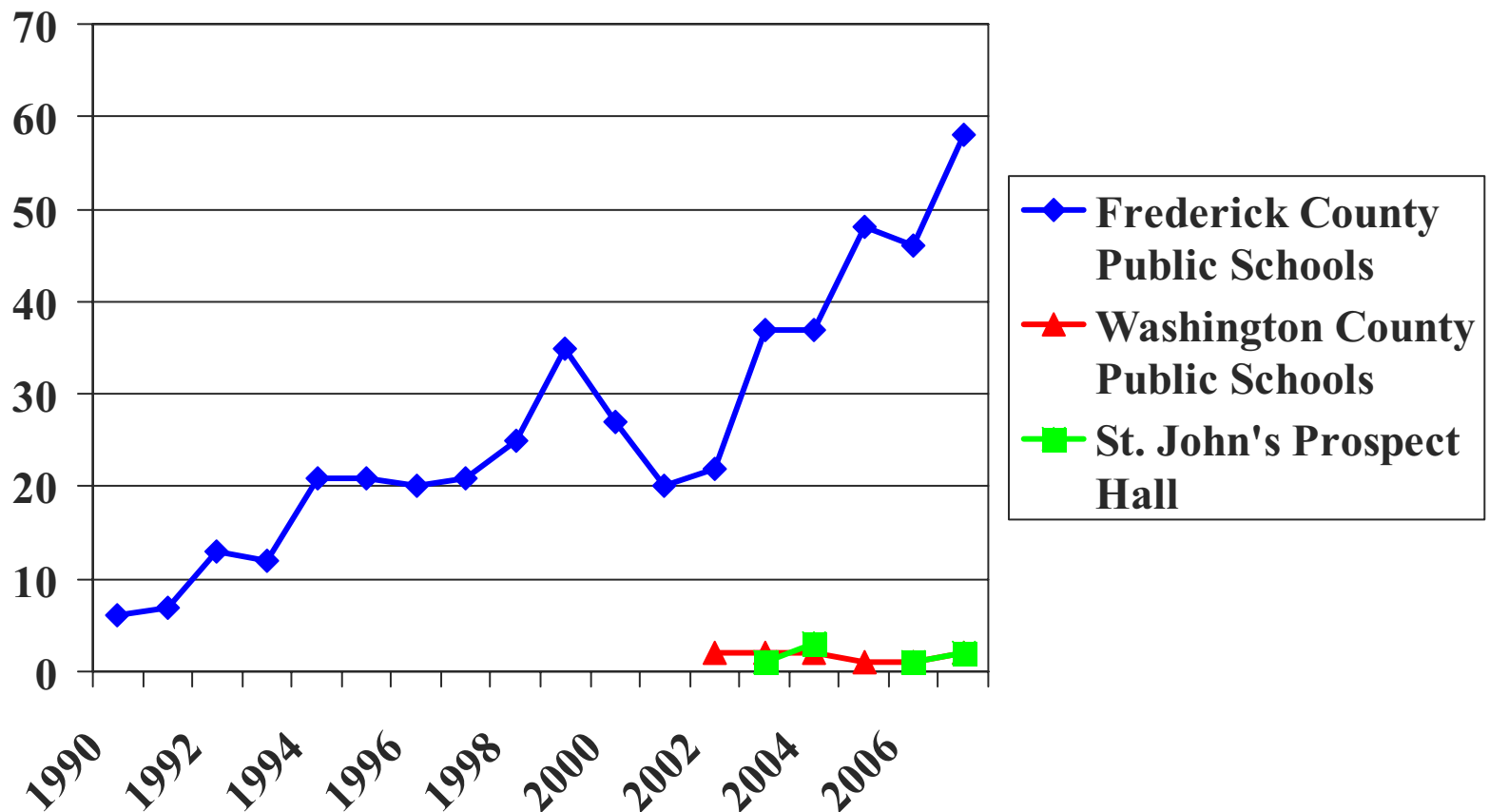
- Opportunity for high school seniors to intern in research (e.g., laboratory) or scientific support (e.g., scientific library, web development, graphic arts, and publications) in a biomedical research environment.
- Is a well respected internship by colleges and universities.
- Allows students the possibility to return for summer employment during their college years.

SIP Partnerships

- Maryland
 - Frederick County Public Schools (FCPS)
 - Washington County Public Schools (WCPS)
 - Saint John's at Prospect Hall (SJPH)
- West Virginia
 - Jefferson County Public School (JCPS)



SIP Students from 1990-2007



A young girl with dark hair, wearing a white lab coat, is looking through the eyepiece of a microscope. She is in a science classroom, with various lab equipment and supplies visible in the background. The image is slightly faded to allow text to be overlaid.

NCI-Frederick Elementary Outreach Program (EOP)

- The Elementary Outreach Program provides the opportunity for elementary school students to receive supplemental science training through hands-on experiences.
- Students use equipment and supplies they would not normally have the opportunity to use.
- NCI-Frederick has a formal partnership with the Frederick County Public School System (FCPS).
- NCI-Frederick invites all Fort Detrick partners to participate.

A background image showing three young children in a classroom setting. They are gathered around a table, looking at a small object, possibly a science experiment. The child on the left is a girl with blonde hair, the middle child is a boy with dark hair, and the child on the right is a girl with dark hair. They are all wearing school uniforms. The background is slightly blurred, showing shelves with various items.

NCI-Frederick EOP Facts

- During the 8 year history of this program:
 - More than 13,000 elementary grade children in FCPS have participated.
 - Over 350 NCI-Frederick employees have volunteered over 8,000 hours.
 - All FCPS elementary schools have had the EOP come to their school with exception of the two newest schools.
 - Many volunteers have taken the lessons to schools in other counties and states.

A woman with dark hair and a headband is smiling and looking at the camera. She is wearing a light-colored top. A young child with dark hair is sitting next to her, looking down at a project on a table. The child is wearing a striped shirt. The background is slightly blurred, showing other people and what appears to be a classroom or workshop setting.

EOP Lessons

- 1st Grade – Solids
- 2nd Grade – Interaction of Objects
- 3rd Grade – Algae Study
- 4th Grade – Bacteria
- 5th Grade – Food Chemistry

- All of the lessons correspond with FCPS essential curriculum.

For Additional Information

Student Intern Program:

web.ncifcrf.gov/careers/student_programs/internships/sip.asp

- Barbara Birnman, Program Administrator

Elementary Outreach Program:

web.ncifcrf.gov/campus/outreach/eop/

- Julie Hartman, Education Program Specialist

